

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110223\
 Data File : VN079827.D
 Acq On : 03 Nov 2023 05:57
 Operator : JC\MD
 Sample : 05222-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 03 07:46:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

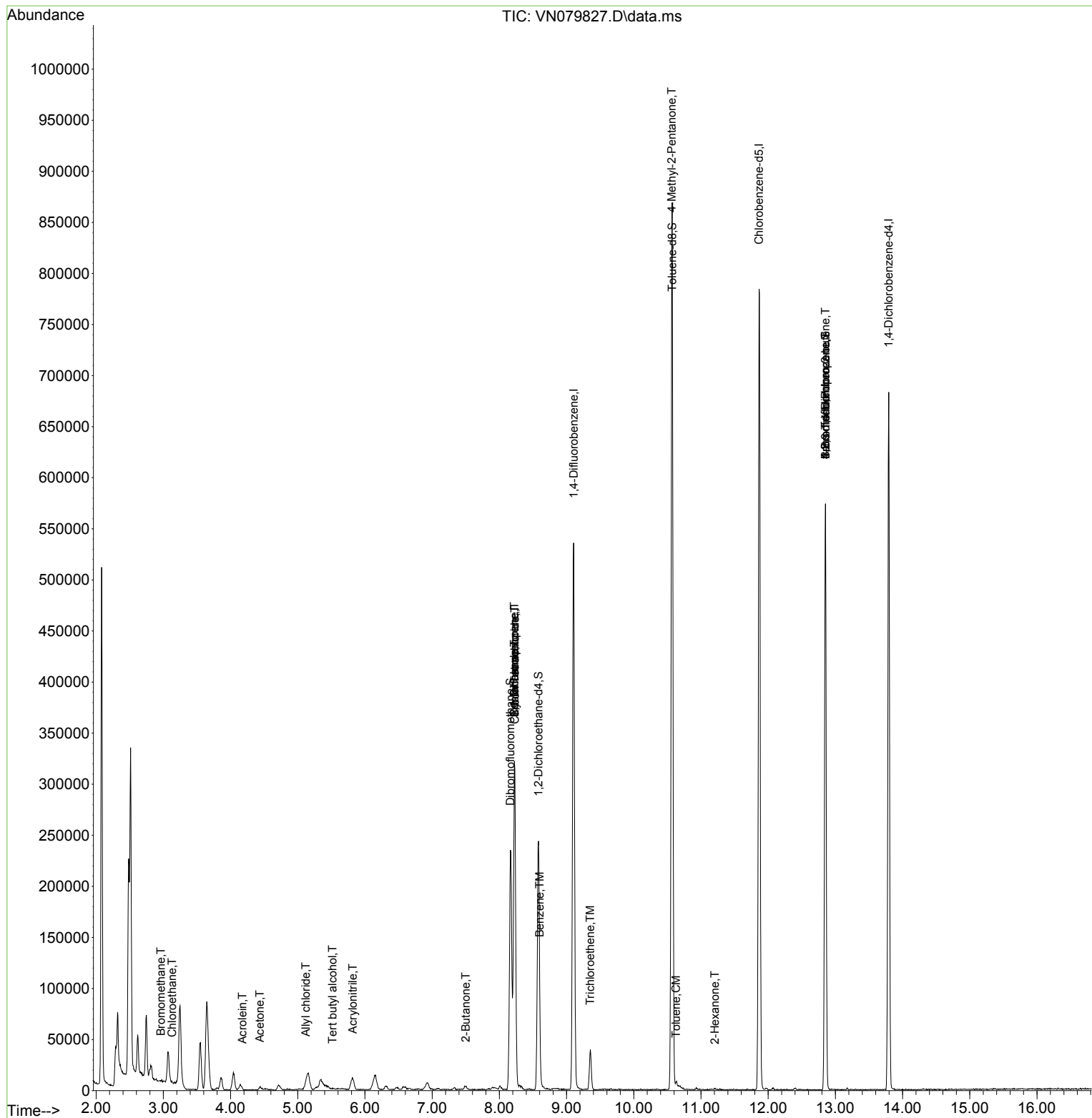
Internal Standards						
1) Pentafluorobenzene	8.224	168	226497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	435882	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	446421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	177938	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	199267	57.746	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.500%
35) Dibromofluoromethane	8.165	113	168498	54.619	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.240%
50) Toluene-d8	10.571	98	579478	51.024	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.040%
62) 4-Bromofluorobenzene	12.853	95	193694	51.425	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.840%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1882	Below Cal		98
5) Bromomethane	2.965	94	605	0.279	ug/l #	63
6) Chloroethane	3.130	64	1055	0.374	ug/l #	43
11) Tert butyl alcohol	5.518	59	513	1.165	ug/l #	72
13) Acrolein	4.177	56	58	2.719	ug/l #	16
14) Allyl chloride	5.118	41	2289	0.613	ug/l #	19
15) Acrylonitrile	5.818	53	624	0.455	ug/l #	18
16) Acetone	4.436	43	5032	4.151	ug/l #	78
25) 2-Butanone	7.500	43	4564	2.571	ug/l #	86
31) Cyclohexane	8.224	56	5779	1.267	ug/l #	47
36) 1,1-Dichloropropene	8.224	75	20976	4.762	ug/l #	47
38) Carbon Tetrachloride	8.230	117	24727	5.570	ug/l #	18
40) Benzene	8.600	78	3530	0.268	ug/l #	84
44) Trichloroethene	9.353	130	13851	4.231	ug/l	92
51) 4-Methyl-2-Pentanone	10.565	43	3004	0.753	ug/l #	1
52) Toluene	10.629	92	2599	0.332	ug/l	89
59) 2-Hexanone	11.206	43	671	0.220	ug/l #	46
71) Bromoform	12.853	173	2255	0.910	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	107196	25.661	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	107196	69.816	ug/l #	15

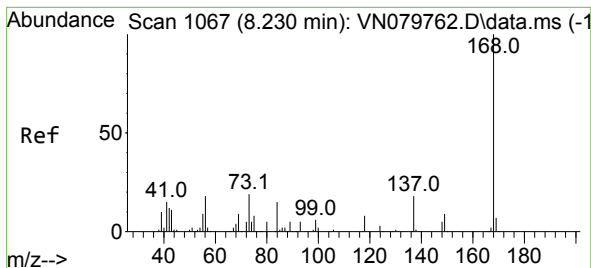
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN079827.D

Acq: 03 Nov 2023 05:57

Instrument :

MSVOA_N

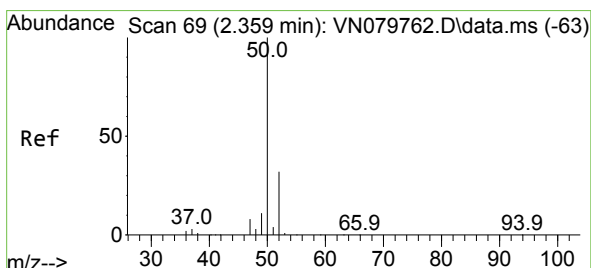
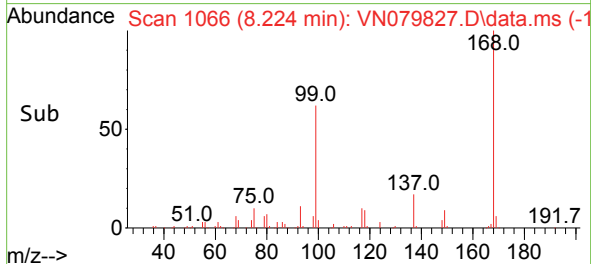
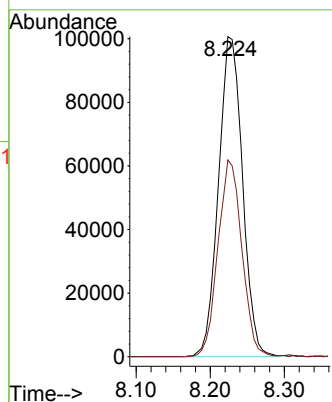
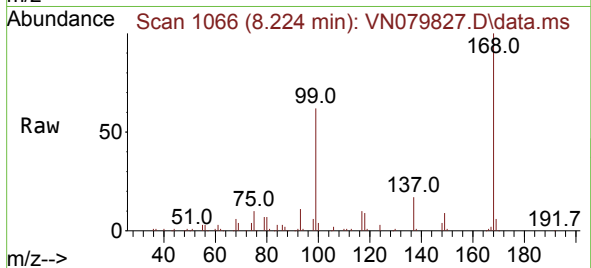
ClientSampleId :

Tgt Ion:168 Resp: 226497

Ion Ratio Lower Upper

168 100

99 61.5 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN079827.D

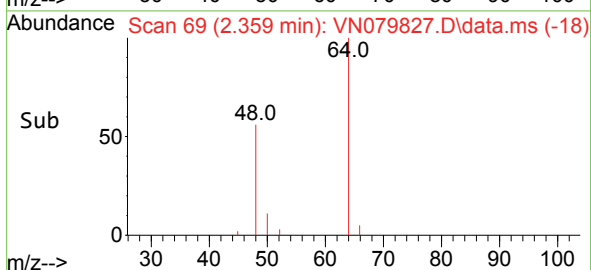
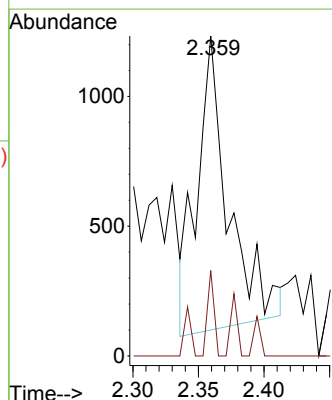
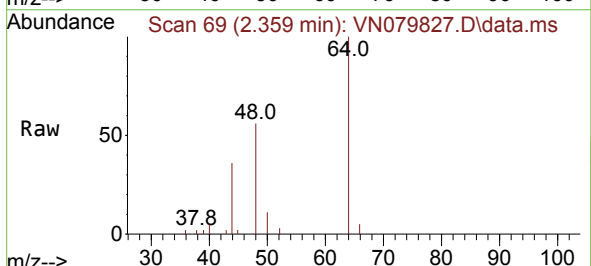
Acq: 03 Nov 2023 05:57

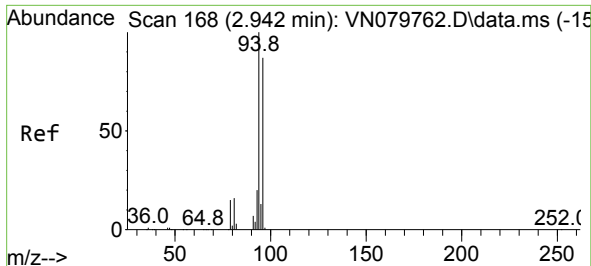
Tgt Ion: 50 Resp: 1882

Ion Ratio Lower Upper

50 100

52 34.0 26.5 39.7

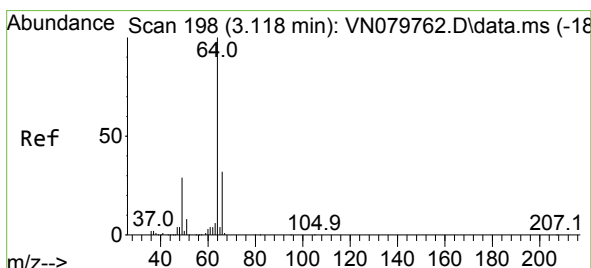
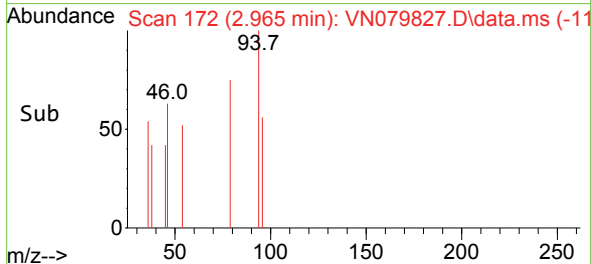
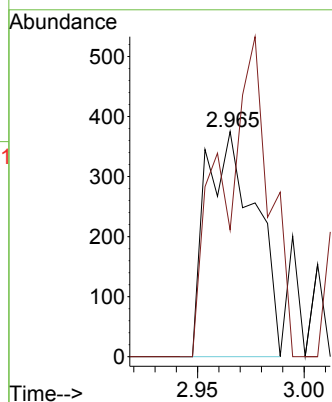
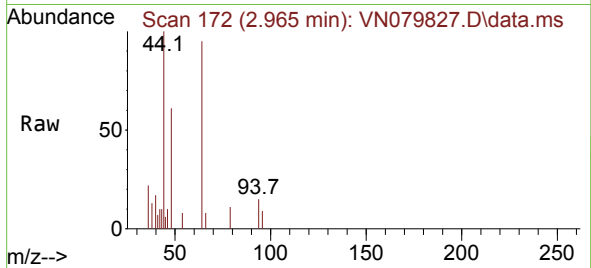




#5
Bromomethane
Concen: 0.279 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN079827.D
Acq: 03 Nov 2023 05:57

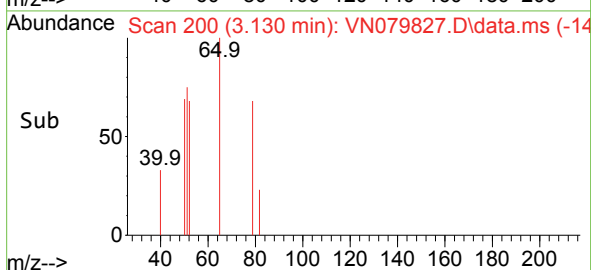
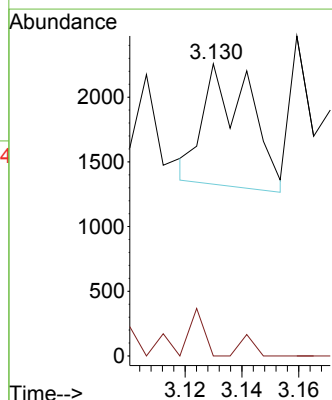
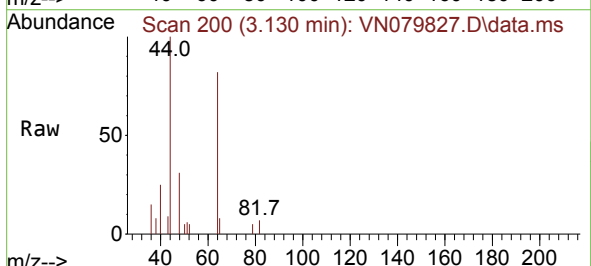
Instrument :
MSVOA_N
ClientSampleId :

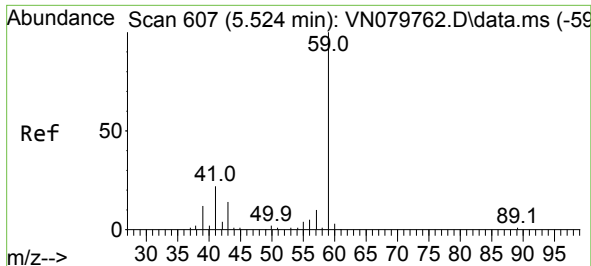
Tgt Ion: 94 Resp: 605
Ion Ratio Lower Upper
94 100
96 56.3 73.1 109.7#



#6
Chloroethane
Concen: 0.374 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN079827.D
Acq: 03 Nov 2023 05:57

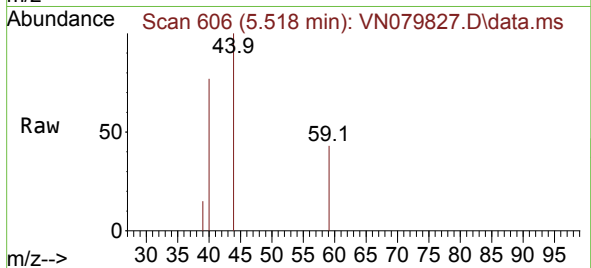
Tgt Ion: 64 Resp: 1055
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



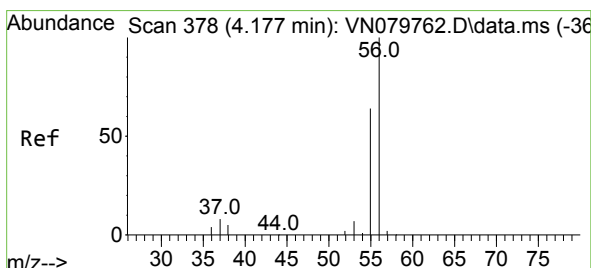
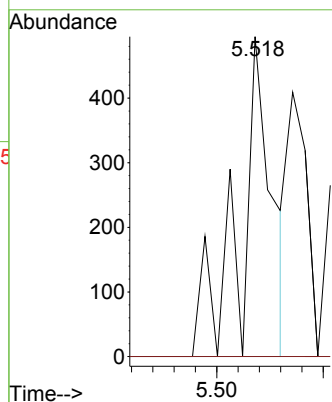
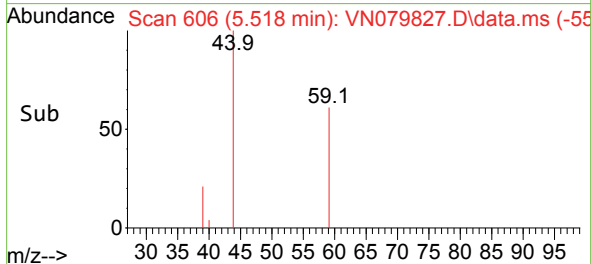


#11
Tert butyl alcohol
Concen: 1.165 ug/l
RT: 5.518 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN079827.D
Acq: 03 Nov 2023 05:57

Instrument :
MSVOA_N
ClientSampleId :

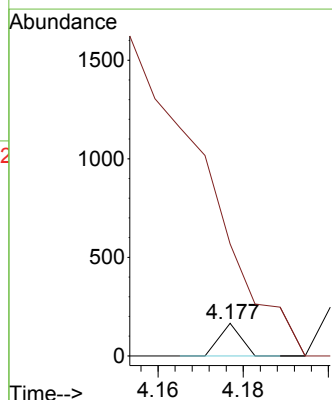
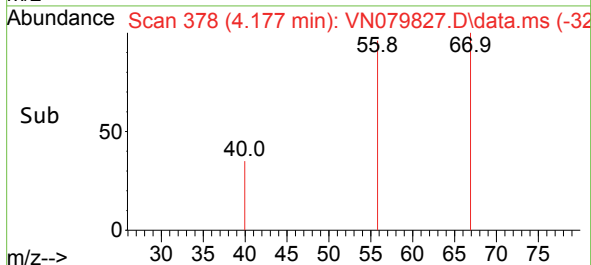
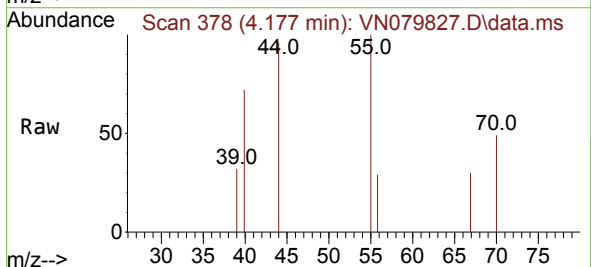


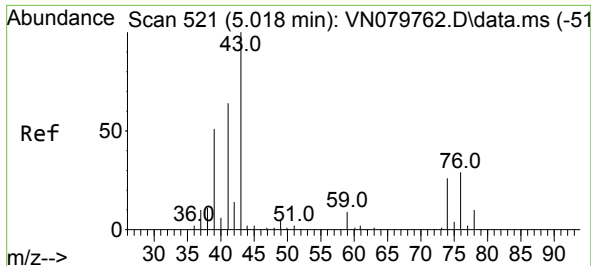
Tgt Ion: 59 Resp: 513
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 2.719 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.006 min
Lab File: VN079827.D
Acq: 03 Nov 2023 05:57

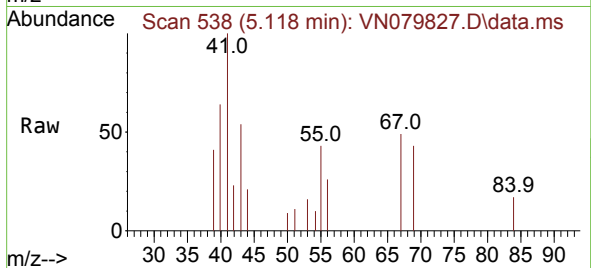
Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



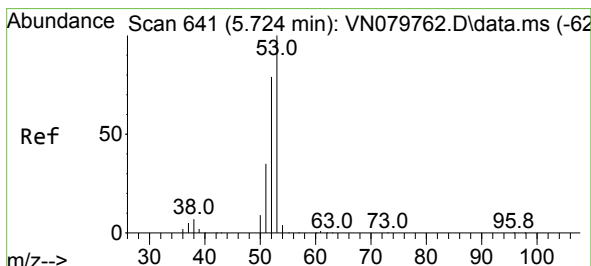
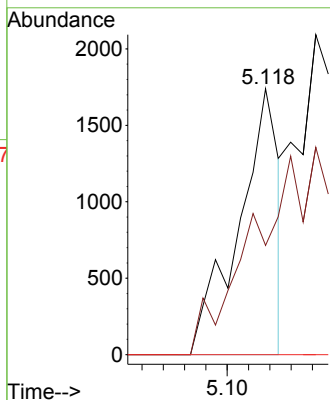
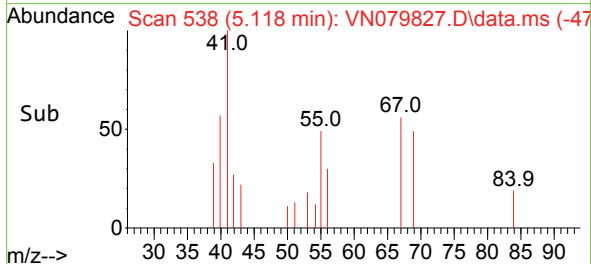


#14
 Allyl chloride
 Concen: 0.613 ug/l
 RT: 5.118 min Scan# 51
 Delta R.T. 0.094 min
 Lab File: VN079827.D
 Acq: 03 Nov 2023 05:57

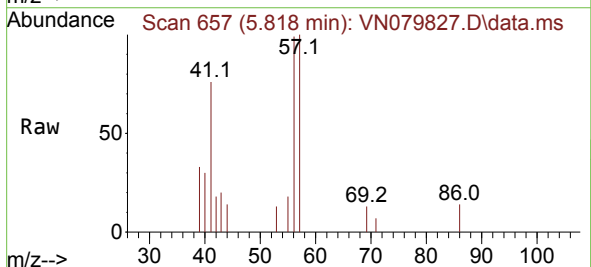
Instrument :
 MSVOA_N
 ClientSampleId :



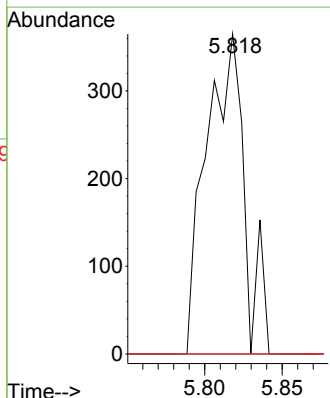
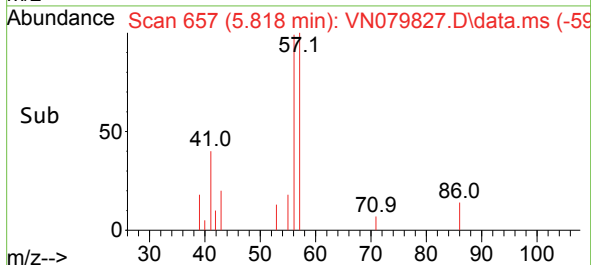
Tgt Ion: 41 Resp: 2289
 Ion Ratio Lower Upper
 41 100
 39 0.0 58.8 88.2#
 76 0.0 39.1 58.7#

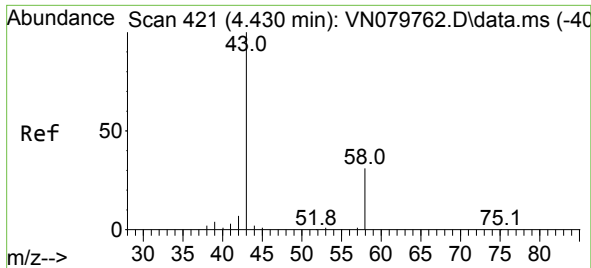


#15
 Acrylonitrile
 Concen: 0.455 ug/l
 RT: 5.818 min Scan# 657
 Delta R.T. 0.094 min
 Lab File: VN079827.D
 Acq: 03 Nov 2023 05:57



Tgt Ion: 53 Resp: 624
 Ion Ratio Lower Upper
 53 100
 52 0.0 65.3 97.9#
 51 0.0 28.9 43.3#

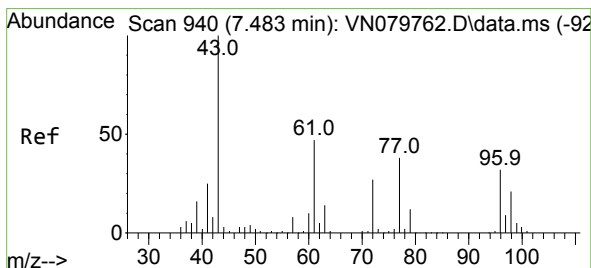
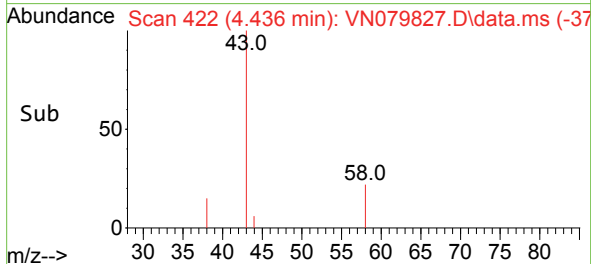
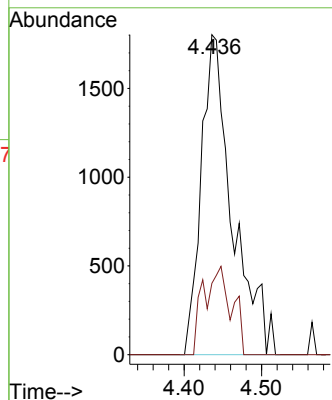
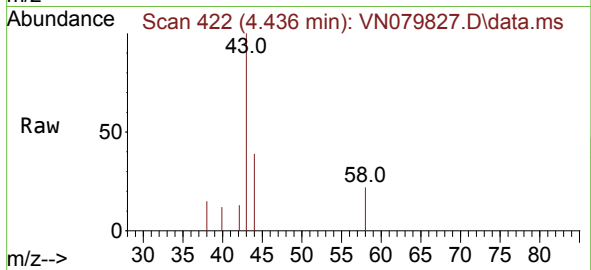




#16
Acetone
Concen: 4.151 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079827.D
Acq: 03 Nov 2023 05:57

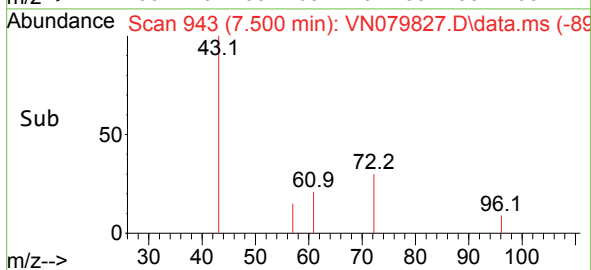
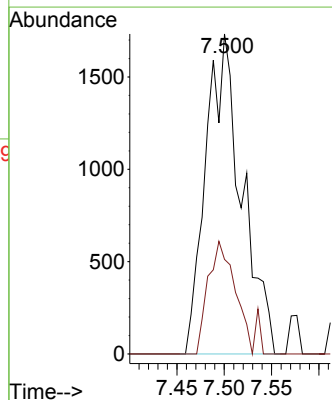
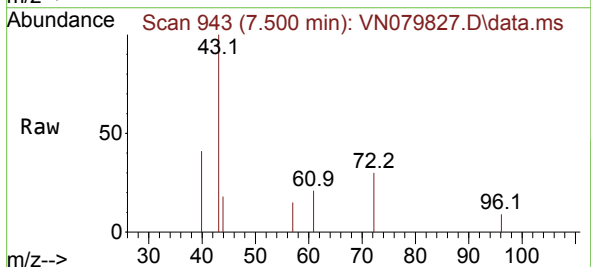
Instrument :
MSVOA_N
ClientSampleId :

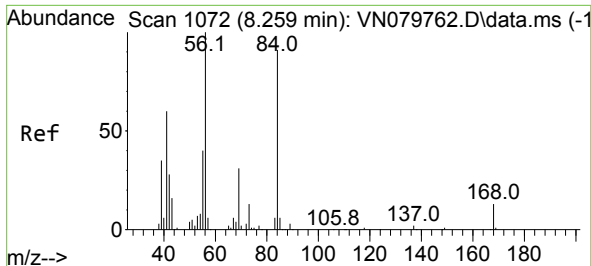
Tgt Ion: 43 Resp: 5032
Ion Ratio Lower Upper
43 100
58 22.3 28.0 42.0#



#25
2-Butanone
Concen: 2.571 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN079827.D
Acq: 03 Nov 2023 05:57

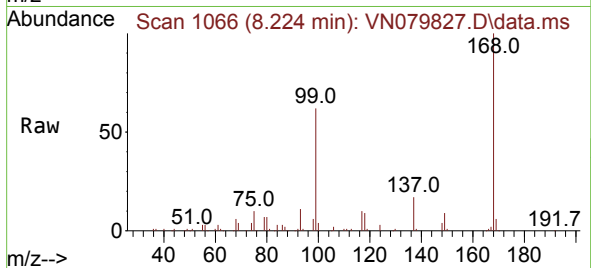
Tgt Ion: 43 Resp: 4564
Ion Ratio Lower Upper
43 100
72 29.5 30.2 45.2#



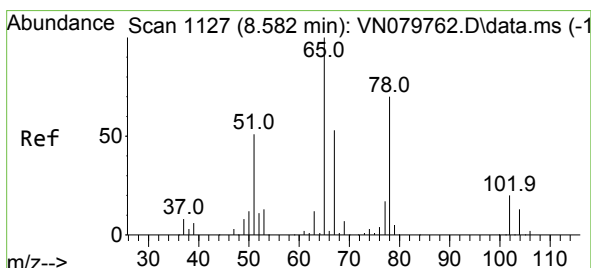
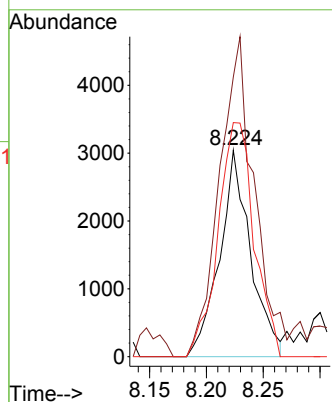
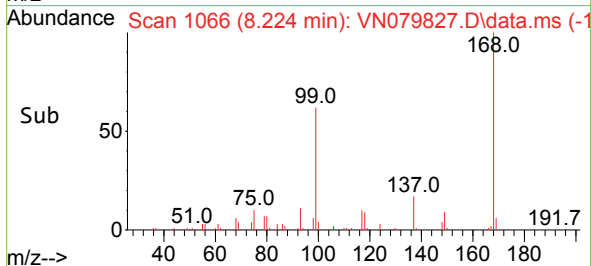


#31
Cyclohexane
Concen: 1.267 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN079827.D
Acq: 03 Nov 2023 05:57

Instrument :
MSVOA_N
ClientSampleId :

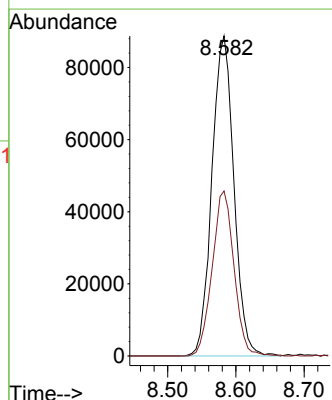
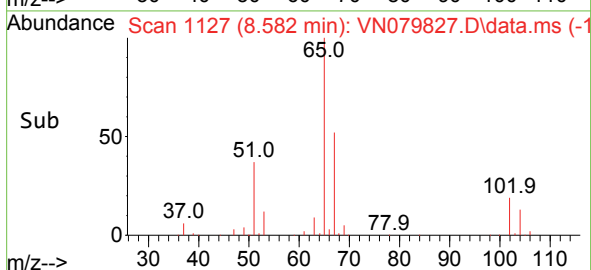
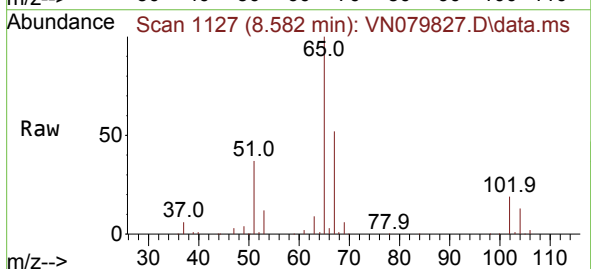


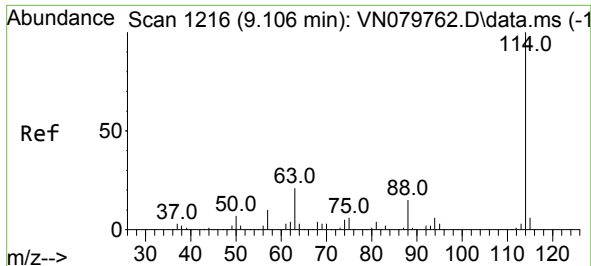
Tgt Ion: 56 Resp: 5779
Ion Ratio Lower Upper
56 100
69 135.5 26.8 40.2#
84 113.4 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 57.746 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079827.D
Acq: 03 Nov 2023 05:57

Tgt Ion: 65 Resp: 199267
Ion Ratio Lower Upper
65 100
67 51.1 0.0 106.6

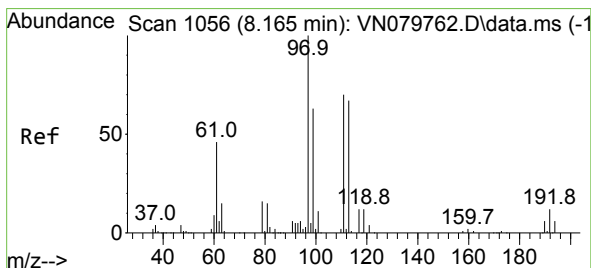
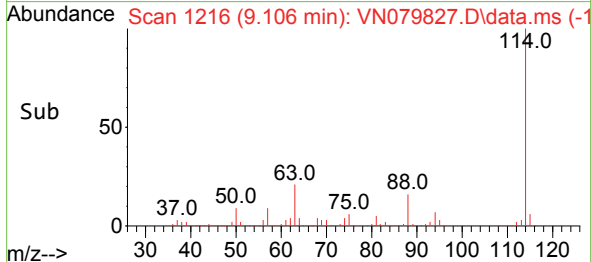
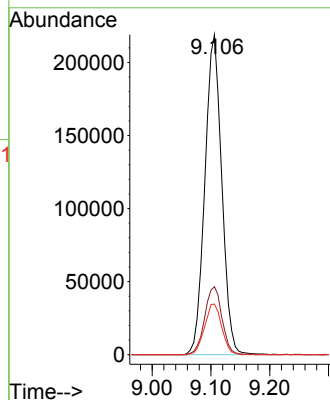
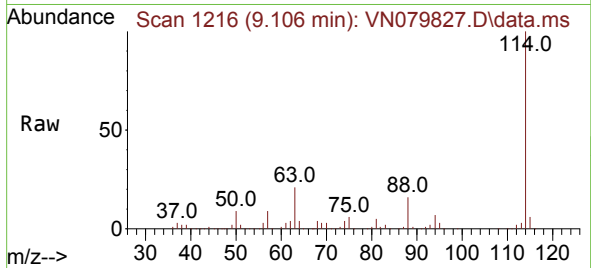




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN079827.D
Acq: 03 Nov 2023 05:57

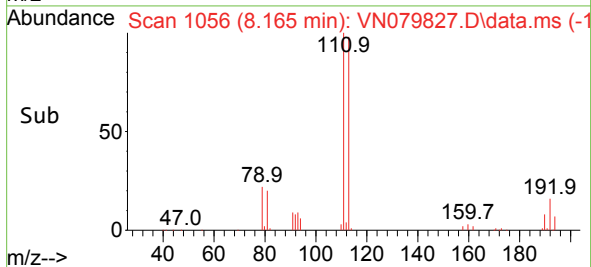
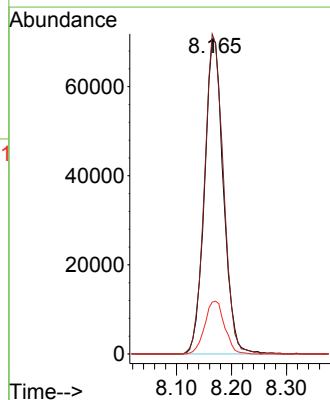
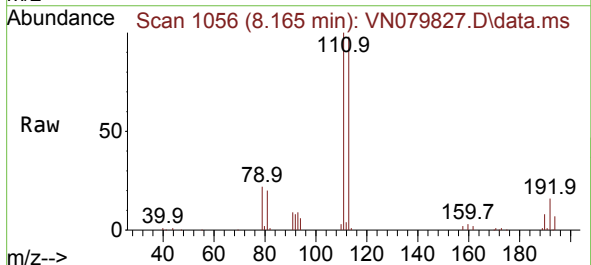
Instrument :
MSVOA_N
ClientSampleId :

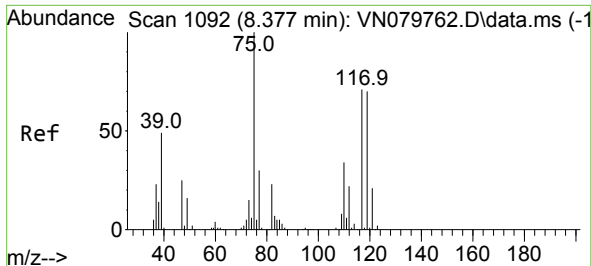
Tgt Ion:114 Resp: 435882
Ion Ratio Lower Upper
114 100
63 21.3 0.0 36.4
88 15.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.619 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN079827.D
Acq: 03 Nov 2023 05:57

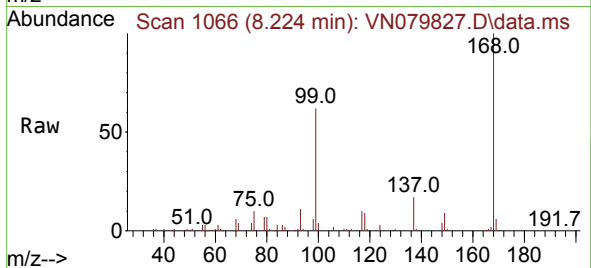
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Ion Ratio Lower Upper
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111 102.1 82.6 123.8
192 17.6 12.7 19.1



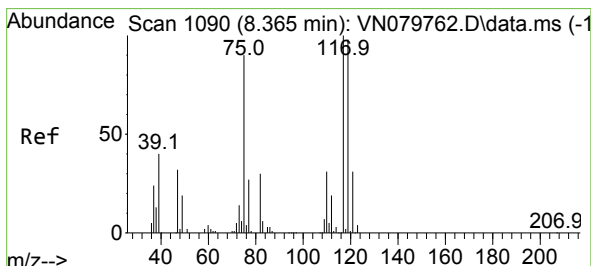
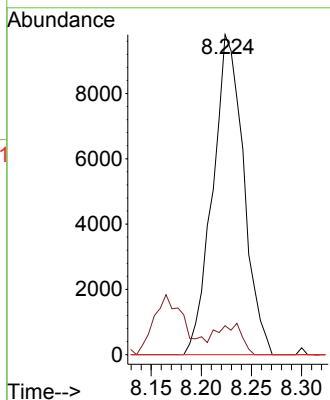
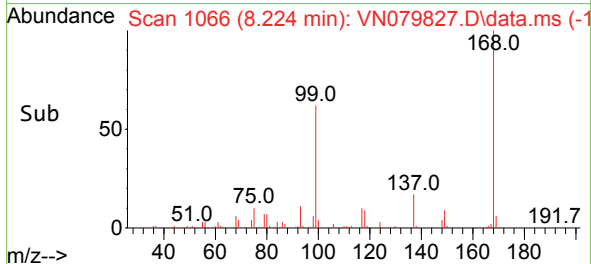


#36
1,1-Dichloropropene
Concen: 4.762 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079827.D
Acq: 03 Nov 2023 05:57

Instrument :
MSVOA_N
ClientSampleId :

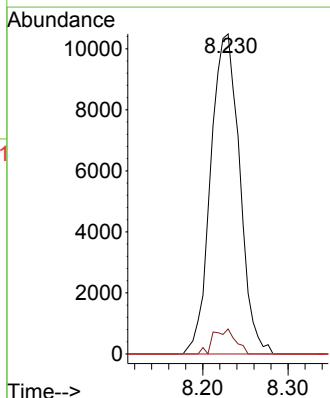
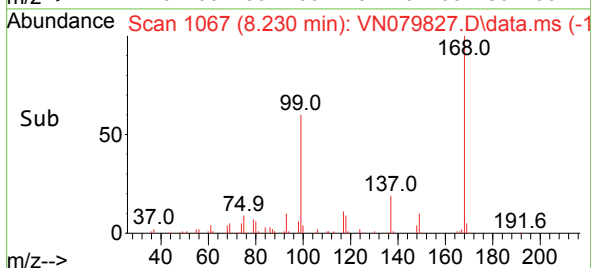
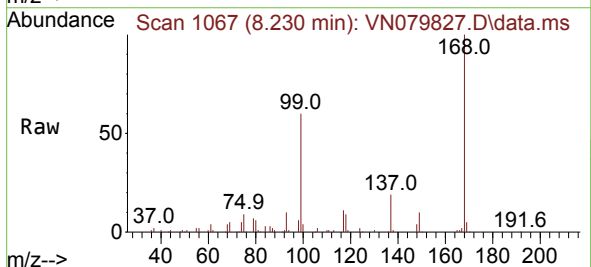


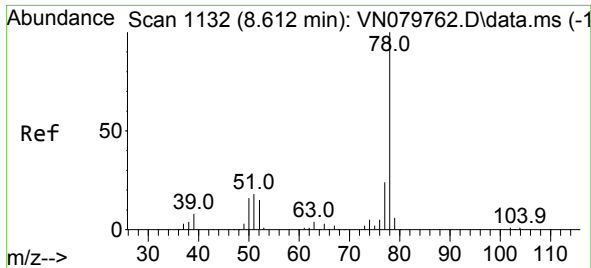
Tgt Ion: 75 Resp: 20976
Ion Ratio Lower Upper
75 100
110 7.9 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.570 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN079827.D
Acq: 03 Nov 2023 05:57

Tgt Ion: 117 Resp: 24727
Ion Ratio Lower Upper
117 100
119 7.8 77.3 115.9#
121 0.0 23.3 34.9#

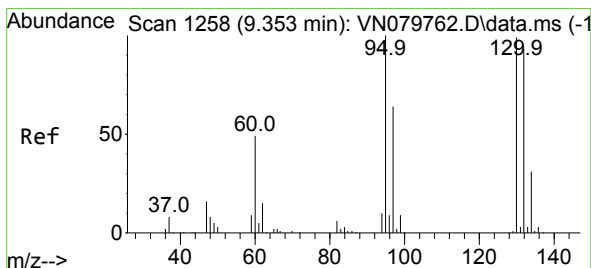
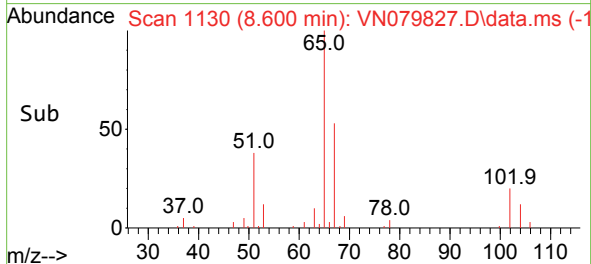
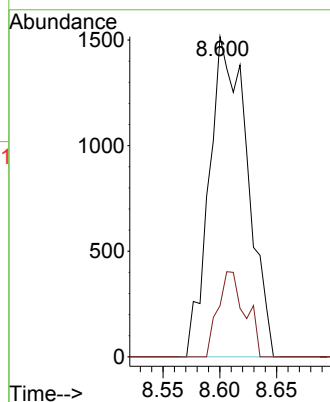
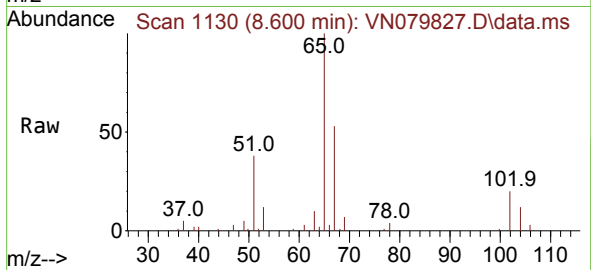




#40
Benzene
Concen: 0.268 ug/l
RT: 8.600 min Scan# 1132
Delta R.T. -0.012 min
Lab File: VN079827.D
Acq: 03 Nov 2023 05:57

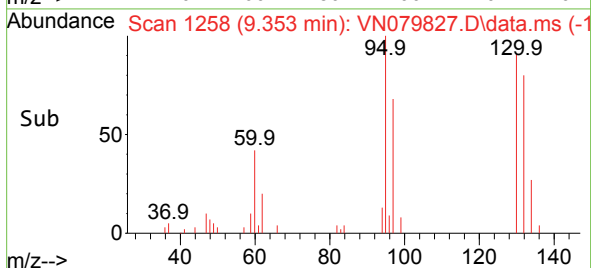
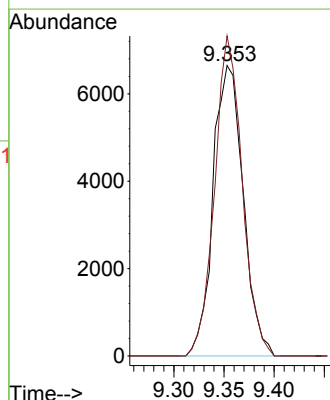
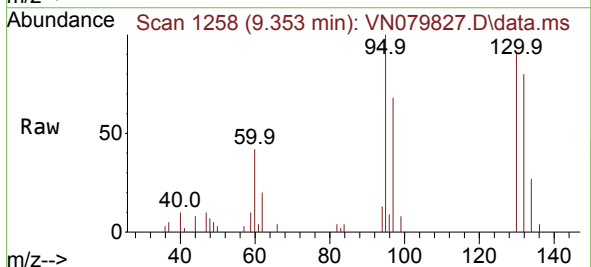
Instrument :
MSVOA_N
ClientSampleId :

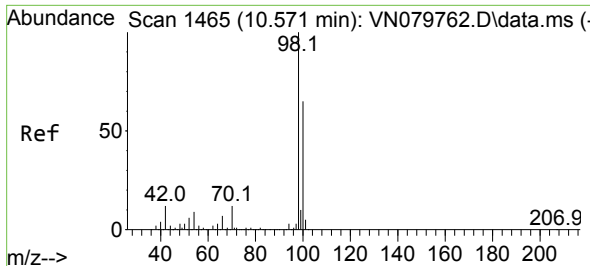
Tgt Ion: 78 Resp: 3530
Ion Ratio Lower Upper
78 100
77 16.0 19.0 28.6#



#44
Trichloroethene
Concen: 4.231 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VN079827.D
Acq: 03 Nov 2023 05:57

Tgt Ion:130 Resp: 13851
Ion Ratio Lower Upper
130 100
95 110.2 0.0 204.6

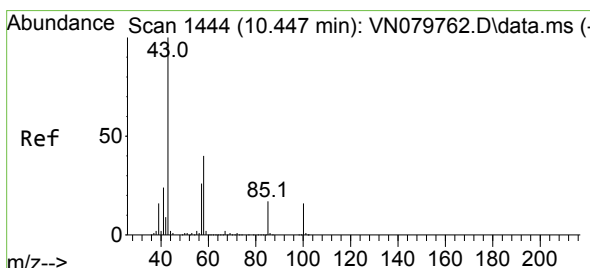
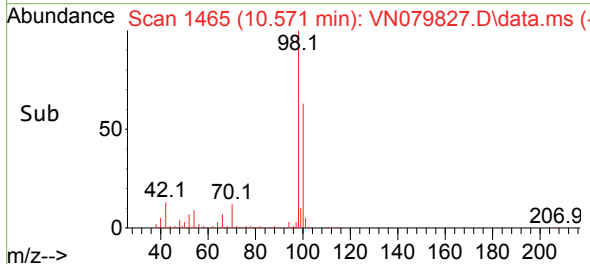
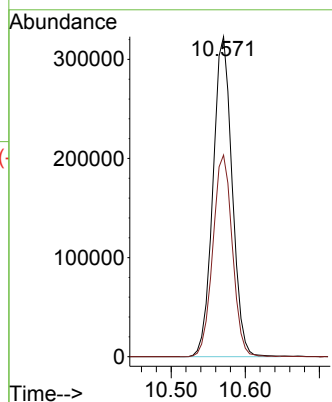
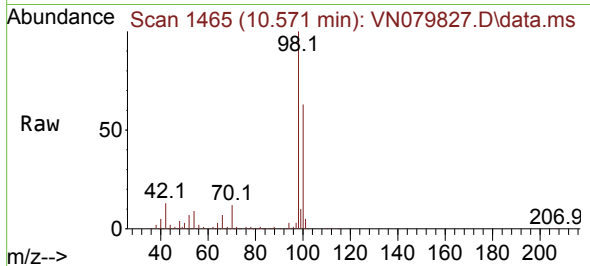




#50
Toluene-d8
Concen: 51.024 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079827.D
Acq: 03 Nov 2023 05:57

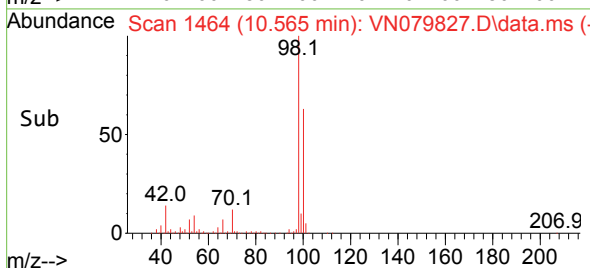
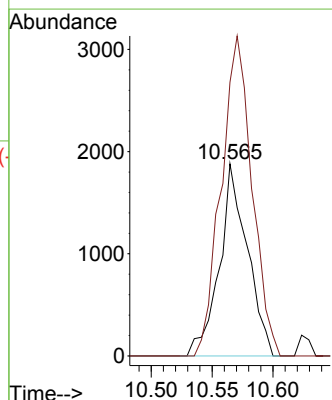
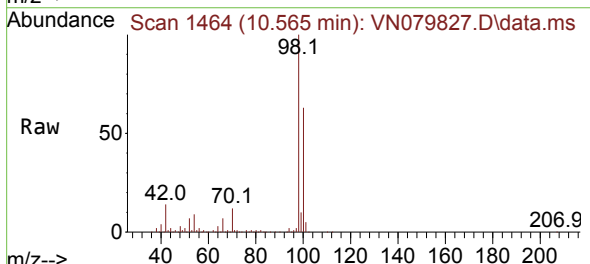
Instrument :
MSVOA_N
ClientSampleId :

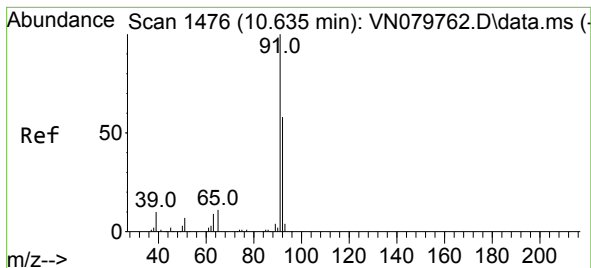
Tgt Ion: 98 Resp: 579478
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.753 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN079827.D
Acq: 03 Nov 2023 05:57

Tgt Ion: 43 Resp: 3004
Ion Ratio Lower Upper
43 100
58 183.6 36.6 54.8#





#52

Toluene

Concen: 0.332 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VN079827.D

Acq: 03 Nov 2023 05:57

Instrument :

MSVOA_N

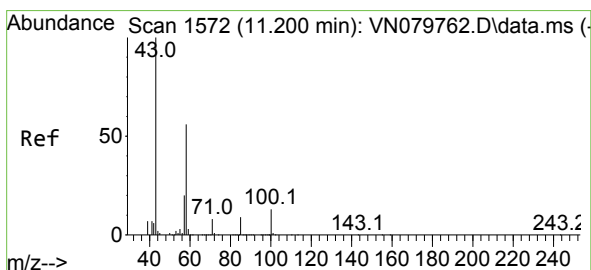
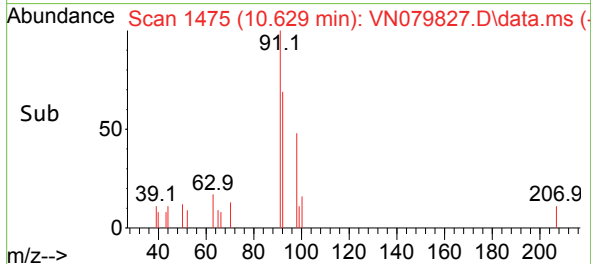
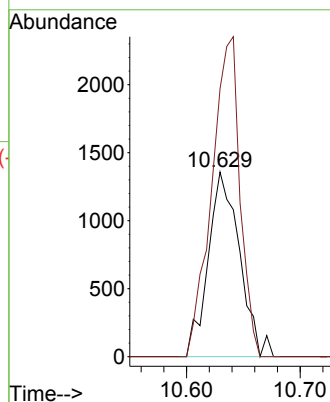
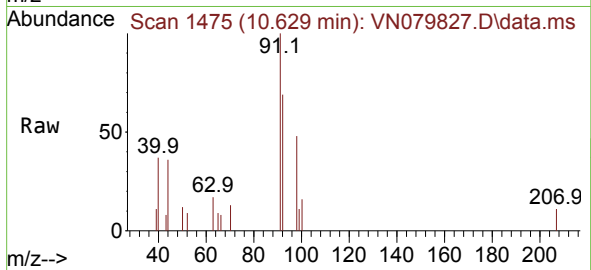
ClientSampleId :

Tgt Ion: 92 Resp: 2599

Ion Ratio Lower Upper

92 100

91 156.7 137.4 206.0



#59

2-Hexanone

Concen: 0.220 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN079827.D

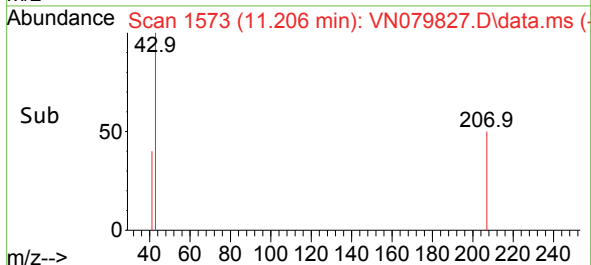
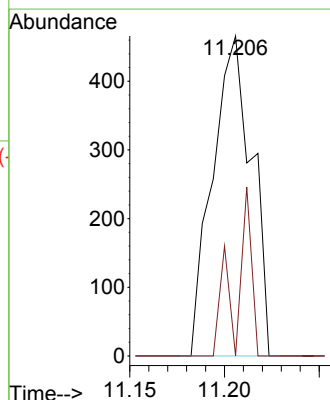
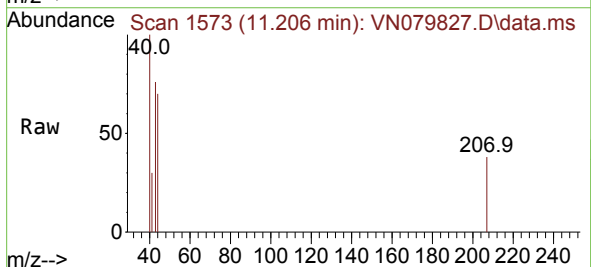
Acq: 03 Nov 2023 05:57

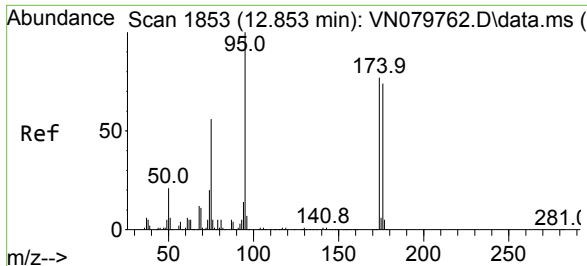
Tgt Ion: 43 Resp: 671

Ion Ratio Lower Upper

43 100

58 21.3 31.7 95.1#

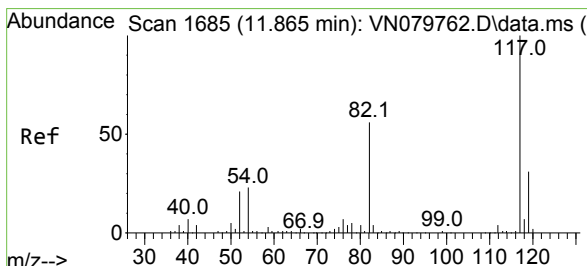
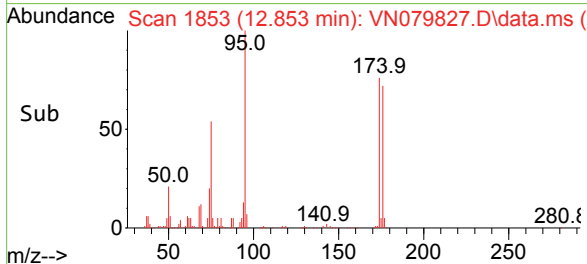
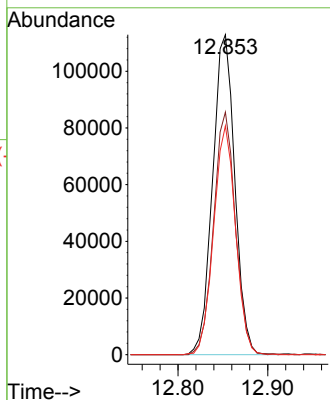
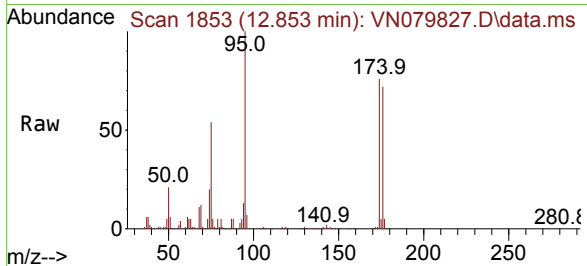




#62
4-Bromofluorobenzene
Concen: 51.425 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079827.D
Acq: 03 Nov 2023 05:57

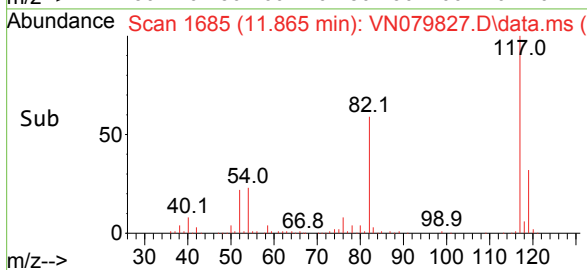
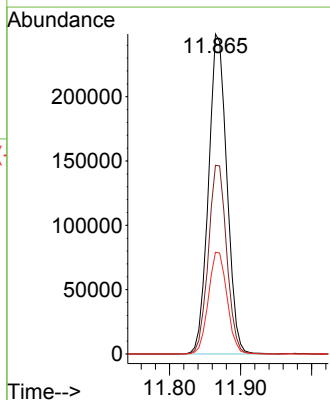
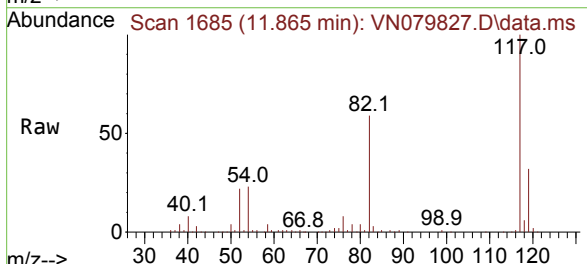
Instrument :
MSVOA_N
ClientSampleId :

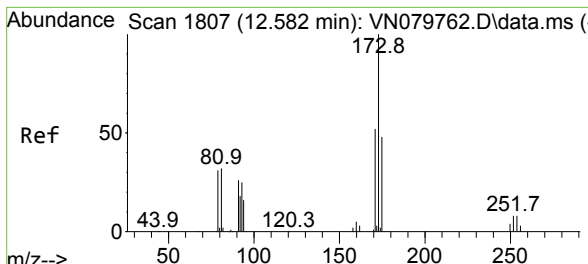
Tgt Ion: 95 Resp: 193694
Ion Ratio Lower Upper
95 100
174 74.5 0.0 143.8
176 70.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN079827.D
Acq: 03 Nov 2023 05:57

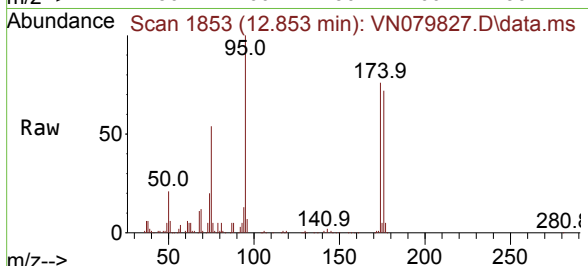
Tgt Ion: 117 Resp: 446421
Ion Ratio Lower Upper
117 100
82 58.9 44.0 66.0
119 31.8 25.6 38.4



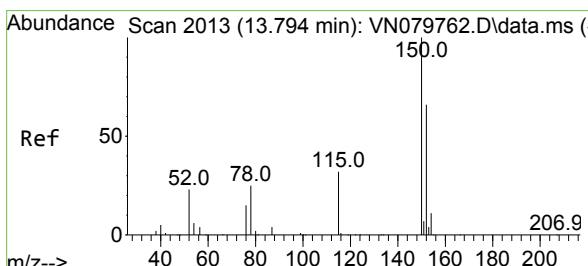
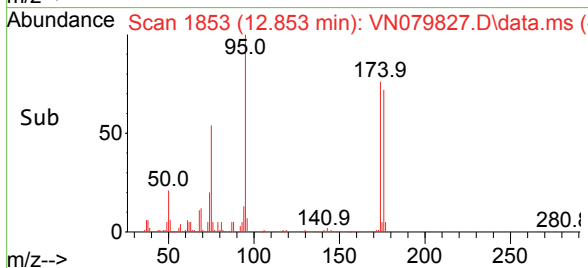
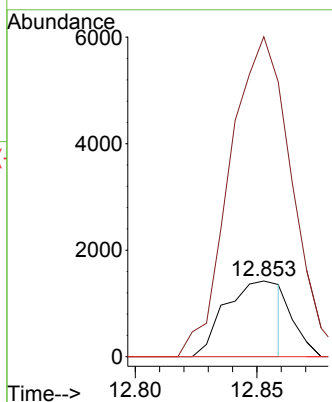


#71
 Bromoform
 Concen: 0.910 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.271 min
 Lab File: VN079827.D
 Acq: 03 Nov 2023 05:57

Instrument :
 MSVOA_N
 ClientSampleId :

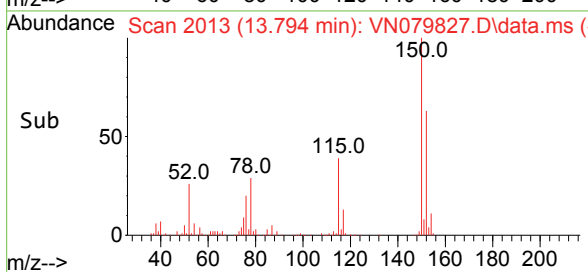
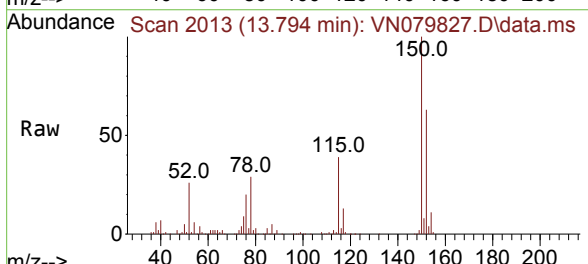
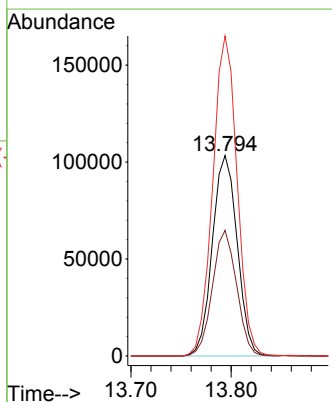


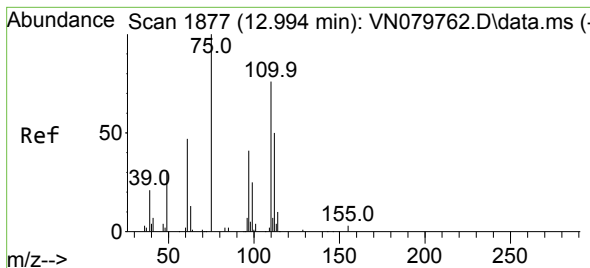
Tgt Ion:	173	Resp:	2255
Ion Ratio	Lower	Upper	
173	100		
175	382.2	24.3	73.0#
254	0.0	0.0	0.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN079827.D
 Acq: 03 Nov 2023 05:57

Tgt Ion:	152	Resp:	177938
Ion Ratio	Lower	Upper	
152	100		
115	60.9	32.3	96.8
150	156.6	0.0	355.8





#76

1,2,3-Trichloropropane

Concen: 25.661 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079827.D

Acq: 03 Nov 2023 05:57

Instrument :

MSVOA_N

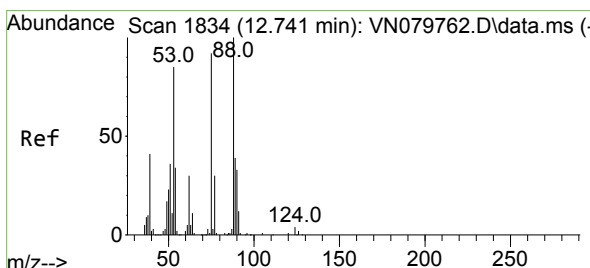
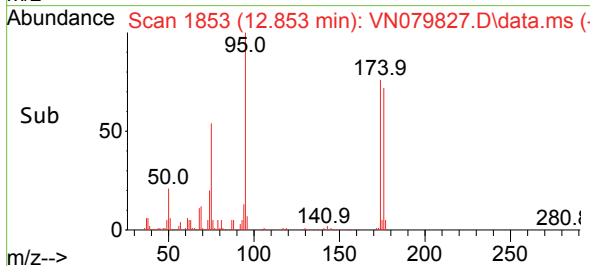
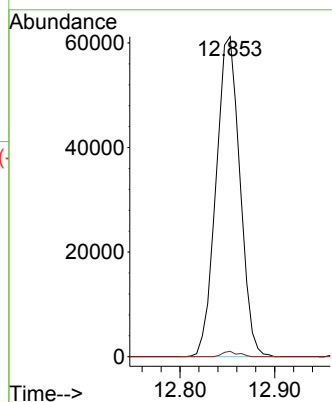
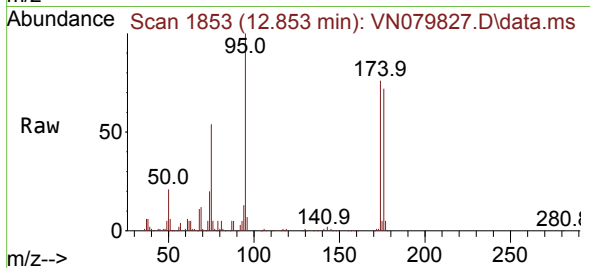
ClientSampleId :

Tgt Ion: 75 Resp: 107196

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.816 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN079827.D

Acq: 03 Nov 2023 05:57

Tgt Ion: 75 Resp: 107196

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#

